

REMARKS

Claim 1 was rejected based on Deacon with the assertion that Deacon teaches an arrayed waveguide grating. However, an arrayed waveguide grating, as explained in the specification at page 1, lines 10-16, works like a diffraction grating and may be fabricated with input and output waveguides, input and output slab waveguides, and arrayed waveguides. The length of any arrayed waveguide may differ from adjacent waveguides by a constant ΔL .

No such structure is anywhere shown in the Deacon application. To the contrary, as indicated in the application, there are no slab waveguides for input and output waveguides or an arrayed waveguide between them and there is no ΔL between the different waveguides. Thus, the problem that is faced is not the same as with the claimed invention and the heated tuning is not the same.

In view of these remarks, reconsideration is respectfully requested.

Respectfully submitted,



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